

Notice of Allowability

Application No.

10/050,237

Examiner

Perez M. Angelica

Applicant(s)

BEN-ELI, DAVID

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 10/30/2007.
2. ☒ The allowed claim(s) is/are 1-14, 16, 18-29 and 31.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-14, 16, 18-29 and 31 are allowed.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:
3. Regarding claims 1 and 12, the prior art of record teaches of a mobile communicator and a method for searching for a base station comprising: a search receiver to search for a base station using a search window size that adapts over time based on a changing channel condition between the base station and the mobile communicator, the search receiver including: a searcher having a variable size search window; and a search window size controller to control the search window size of the searcher, the search window size controller to occasionally change the search window size of the searcher to a full search window size so as to detect received energy that is outside of a first search window size, which is less than the full search window size.

The prior art of record fails to teach where the search window size controller **changes the search window size of the searcher from the full search window size to the first search window size, when significant received energy is not detected outside of the first search window size.**

Regarding claim 16, the prior art of record teaches of a method for searching for a base station from a mobile communicator, comprising: searching for the base station using a first search window size; occasionally checking for significant received energy

outside of said first search window size by searching for the base station using a full search window size, which is greater than the first search window size.

The prior art of record fails to teach searching for the base station for a predetermined period using a second search window size that is greater than the first search window size when significant received energy is detected outside of the first search window size during the step of occasionally checking; and **changing the size of the search window from the full search window size to the first search window size when received energy has not been detected outside the first search window size during the step of occasionally checking.**

Regarding claim 24, the prior art of record teaches of a method for searching for a base station from a mobile communicator, comprising: first searching for the base station using a full search window size; determining a new search window size to search for the base station based on a result of the first searching including:

The prior art of record fails to teach determining where whether significant received energy was detected during the first searching that was outside of a first search window, **the first search window having a size that is less than the full search window size; and setting the new search window size equal to the size of the first search window when significant received energy was not detected outside of the first search window; and second searching for the base station using the new search window size.**

4. Claims 2-11, 13-15, 18-23 and 25-29, 31, depend on allowed claims 1, 12, 16 and 24, respectively; therefore, the examiner gives the same reasons for allowance as set forth above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angelica Perez whose telephone number is 571-272-7885. The examiner can normally be reached on 6:00 a.m. - 2:30 p.m., Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571) 272-4177. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300 for regular communications and for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either the PAIR or Public PAIR. Status information for unpublished applications is available through the Private PAIR only. For more information about the pair system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Information regarding Patent Application Information Retrieval (PAIR) system can be found at 866-217-9197 (toll-free).


Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2600's customer service number is 703-306-0377.

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Angelica Perez
Examiner



MATTHEW ANDERSON
SUPERVISORY PATENT EXAMINER

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February 1, 2008